



OBLON, SPIVAK, et al  
Docket No: 242845US8  
Inventor: Conor FOLEY, et al.  
Serial No: 10/721,419  
Reply to NFMP dated: March 12, 2004  
Replacement Sheet

*FIG. 1*  
(BACKGROUND ART)

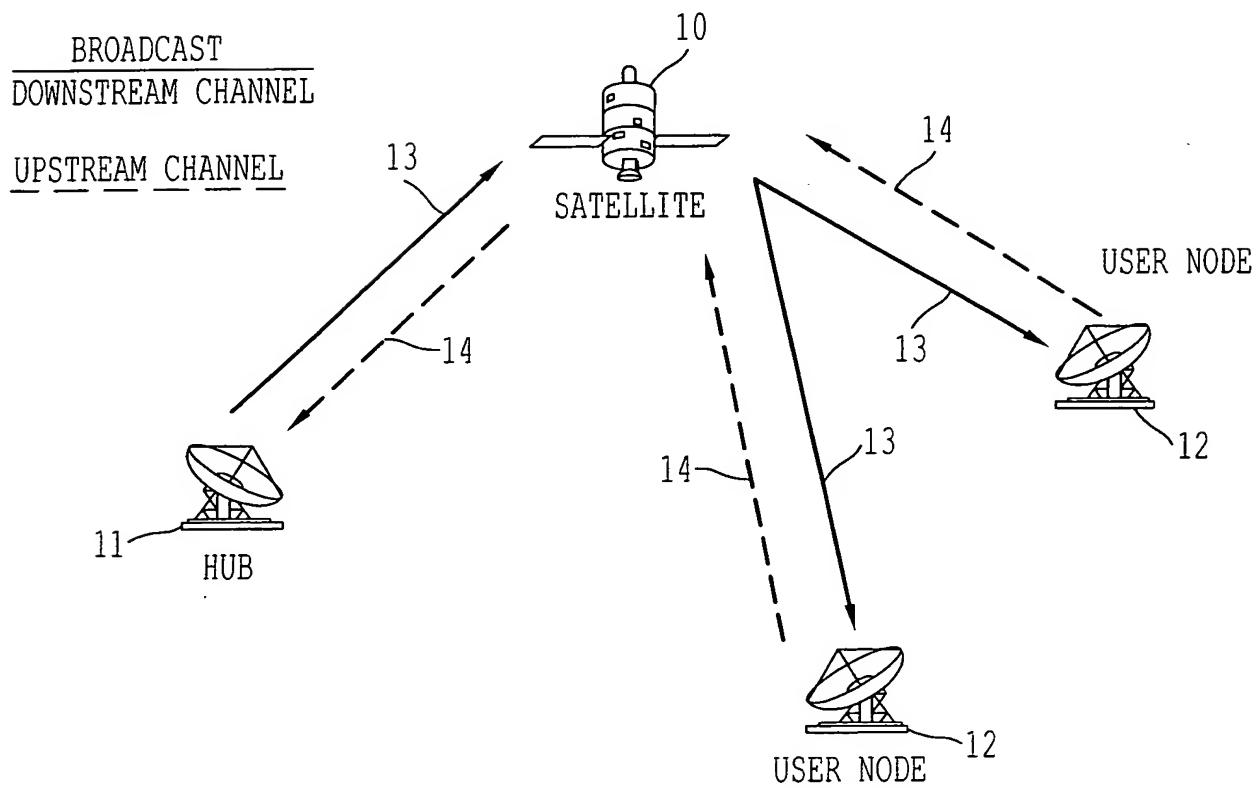
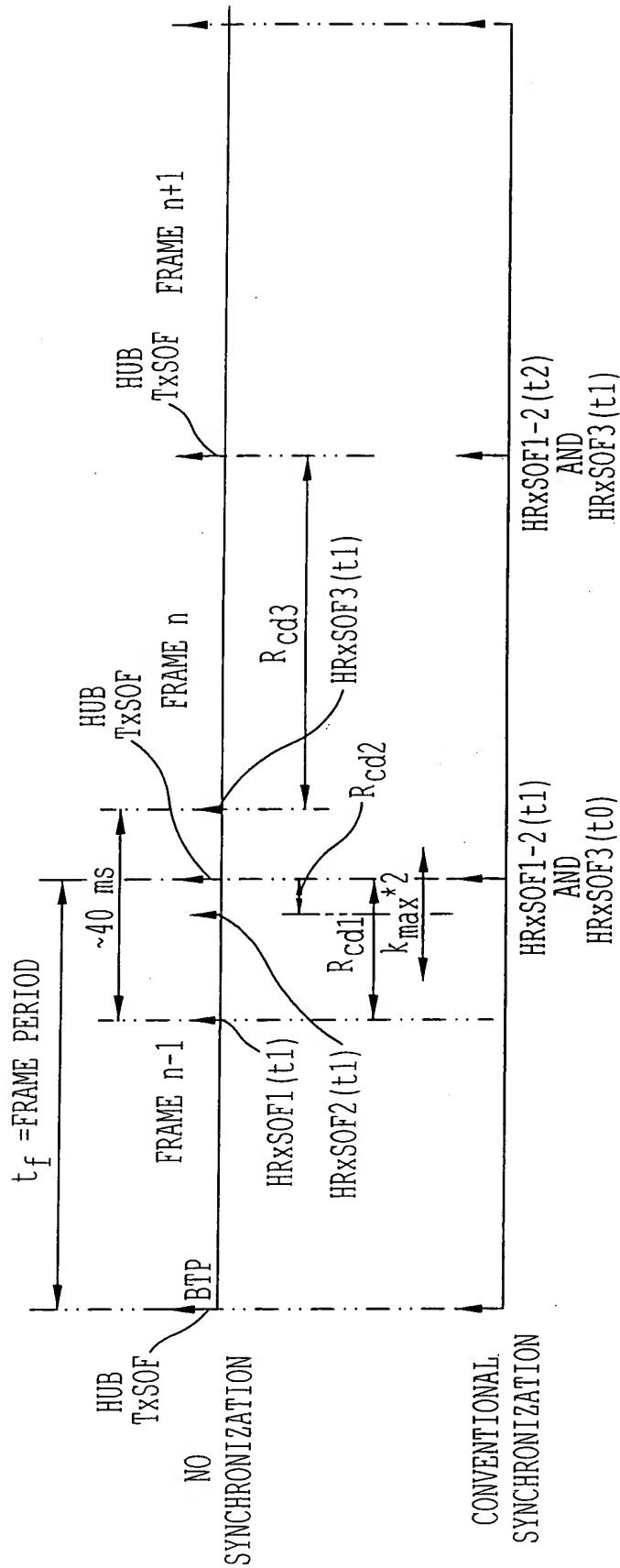
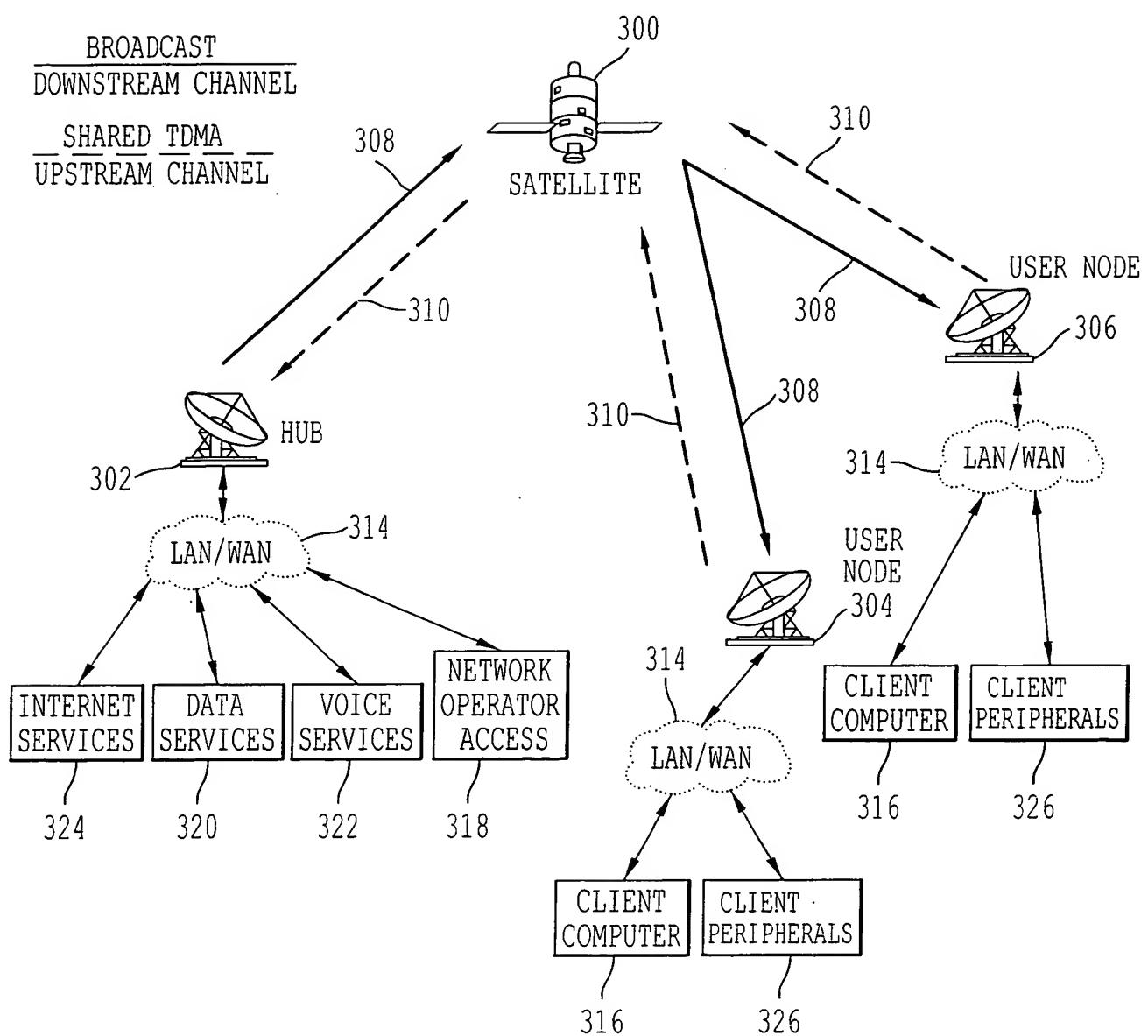


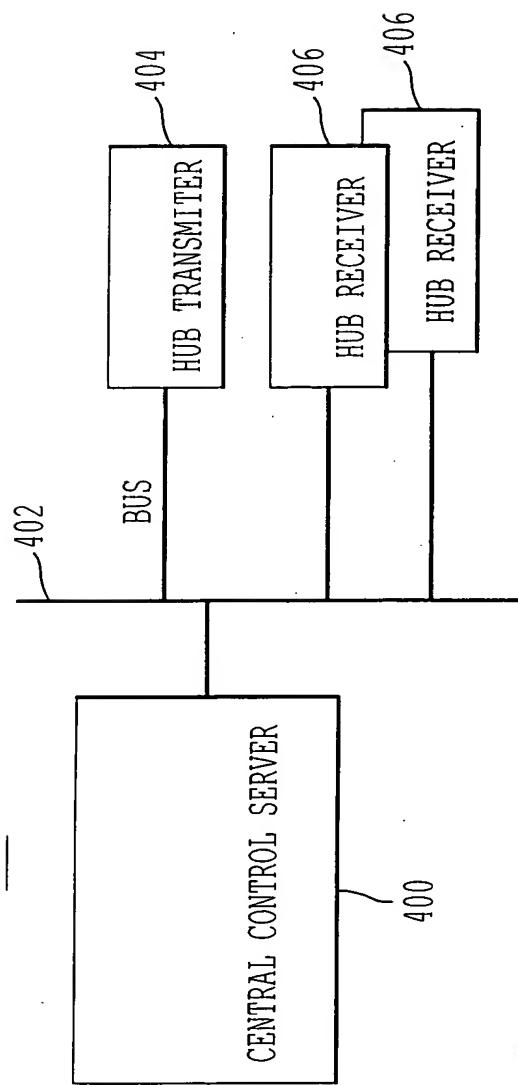
FIG. 2  
(BACKGROUND ART)



*FIG. 3*



*FIG. 4*



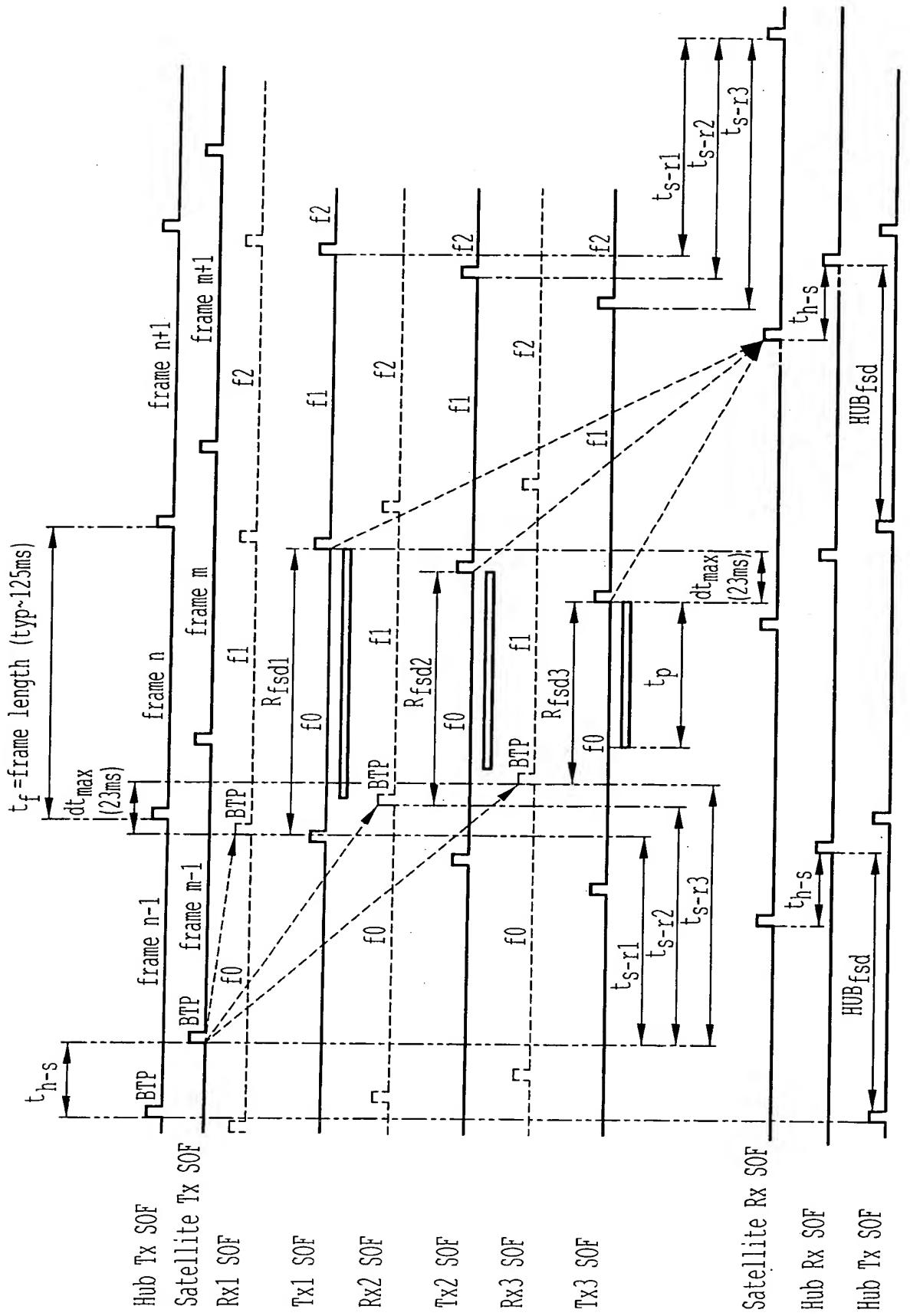


FIG. 5

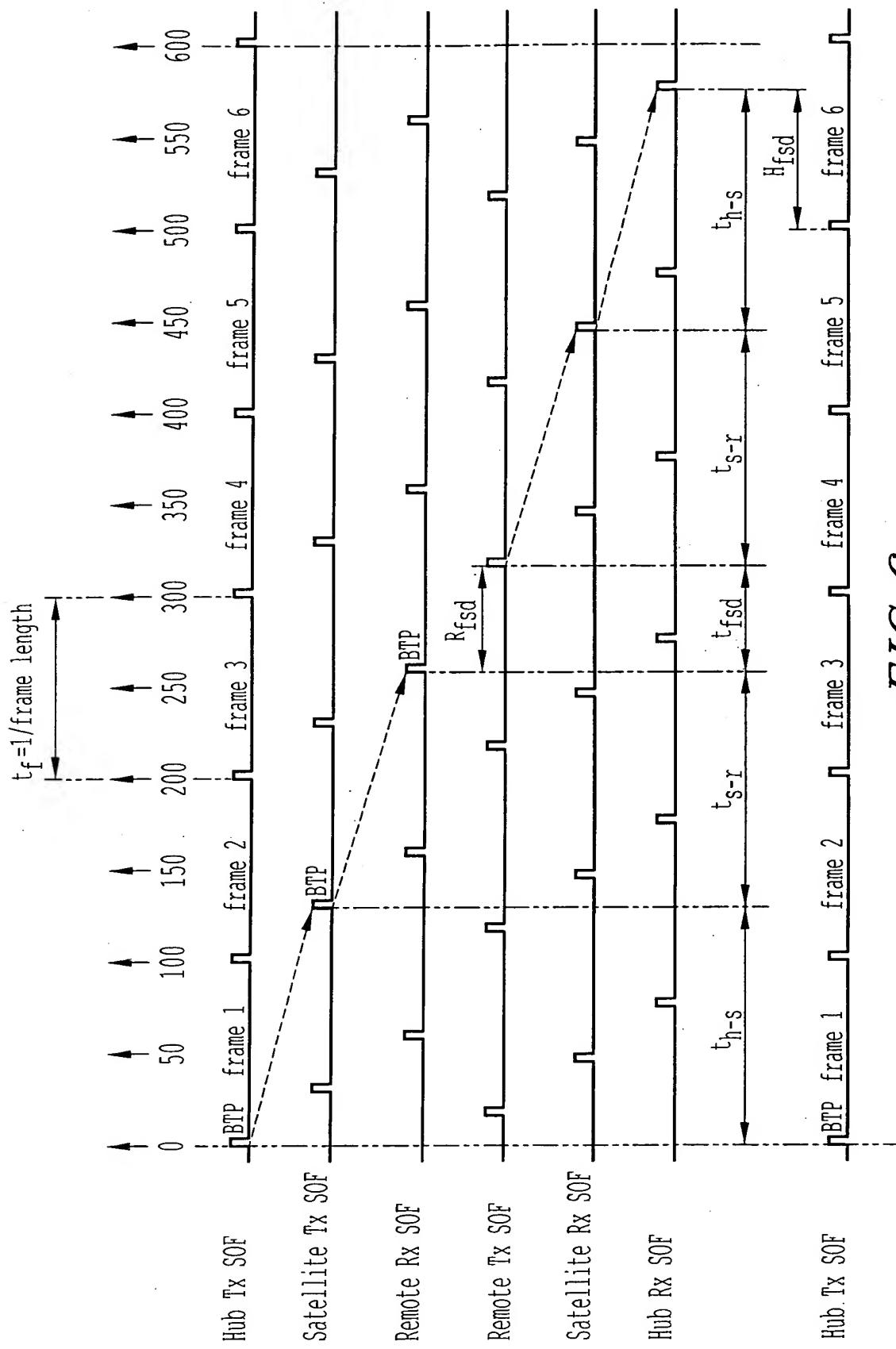


FIG. 6

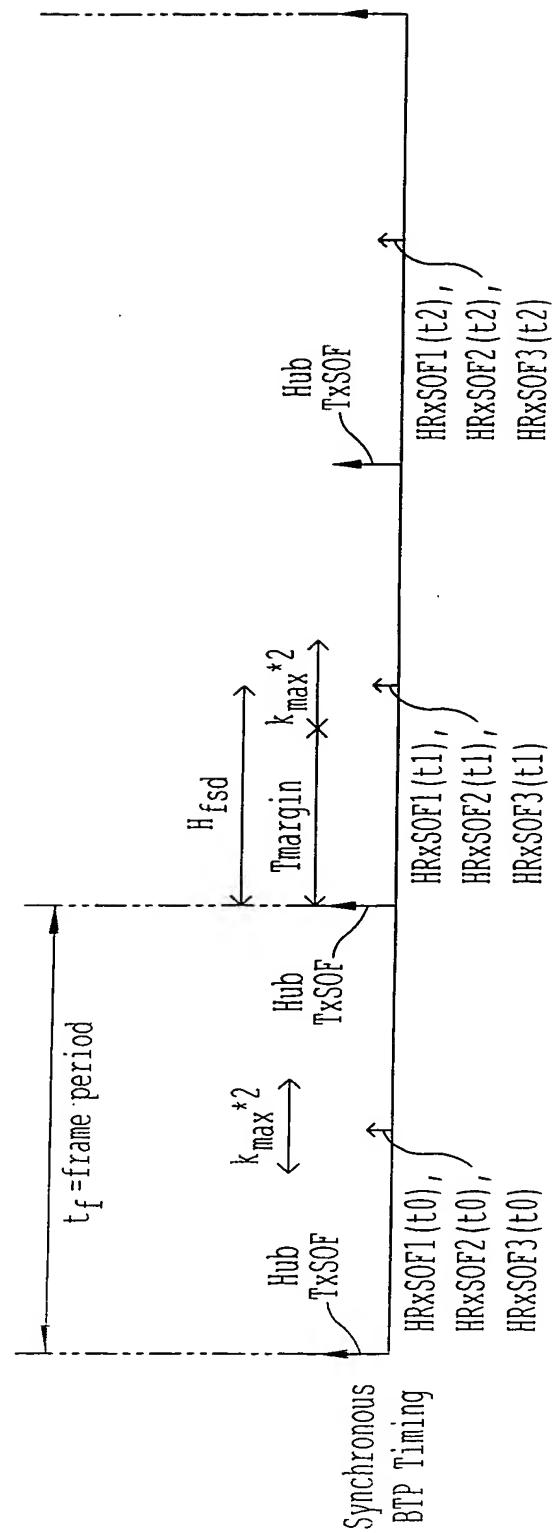
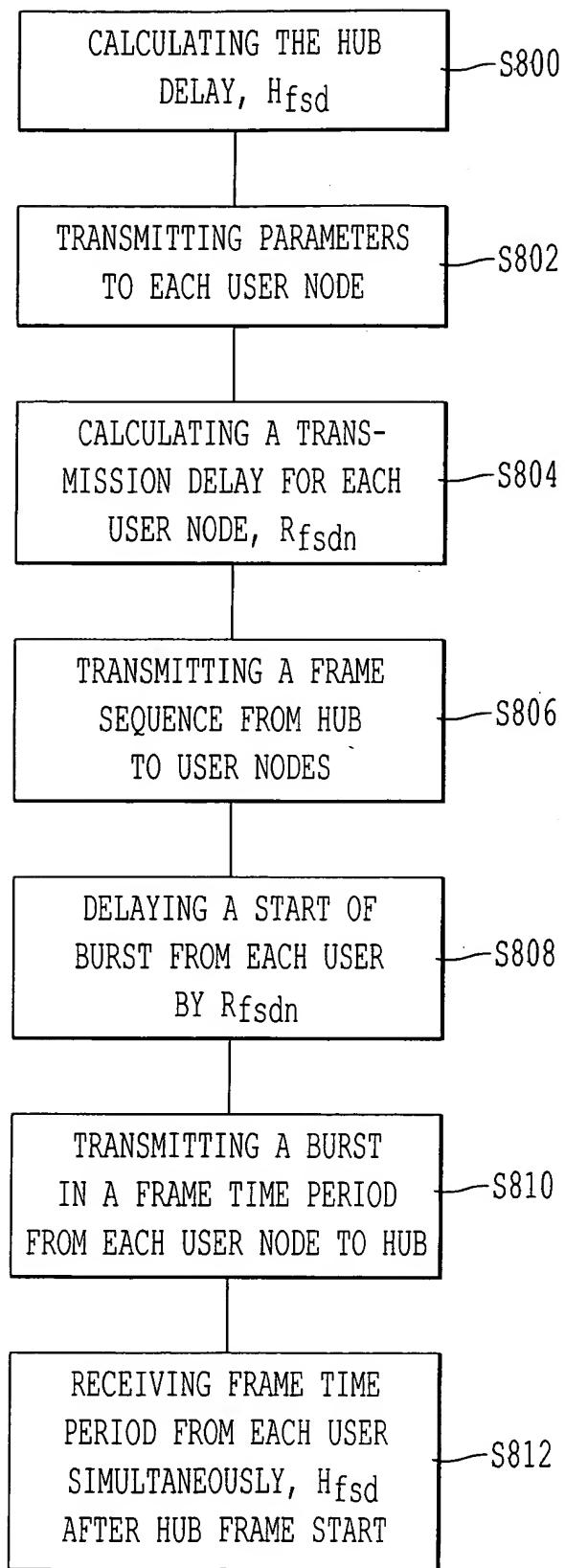
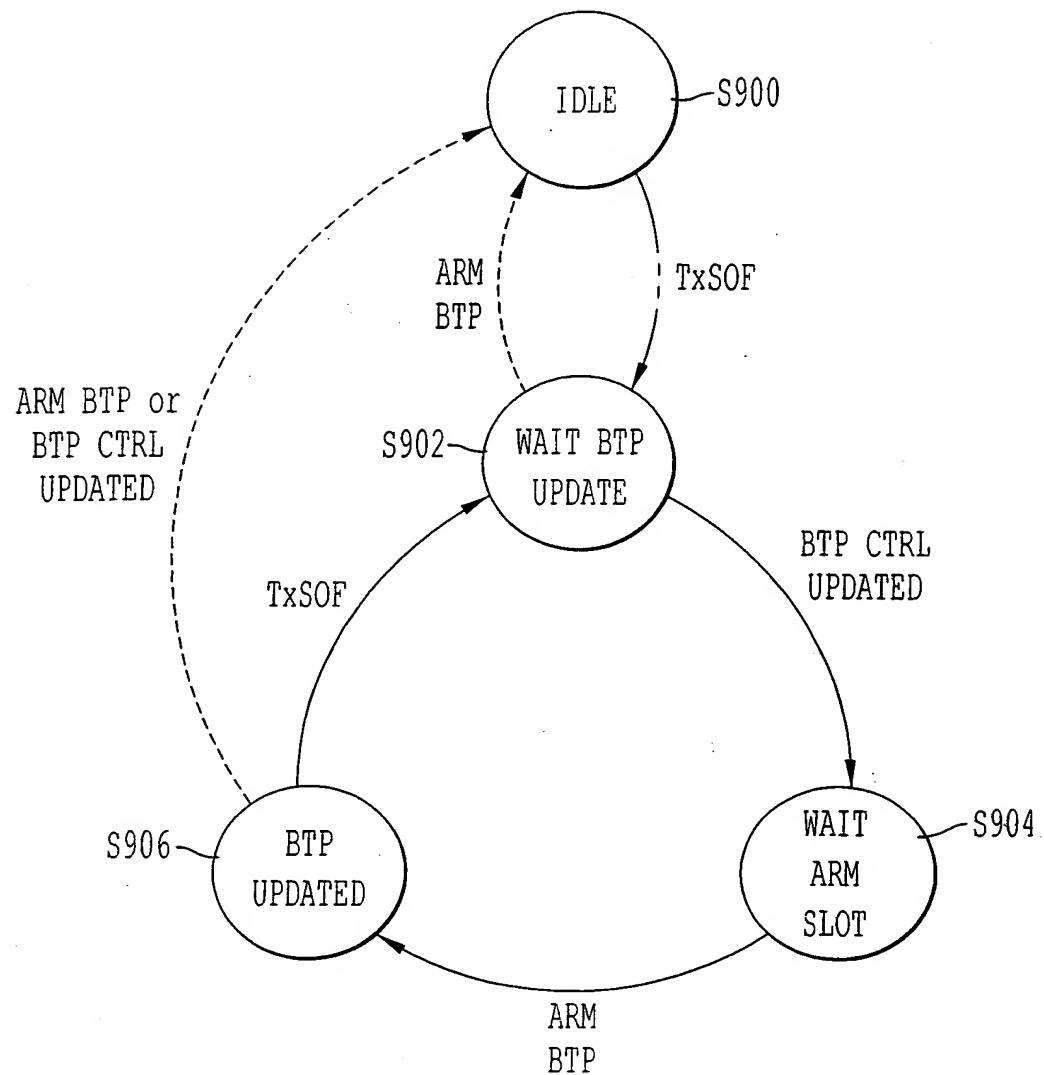


FIG. 7



*FIG. 8*



NORMAL OPERATION

ERROR

ERROR RECOVERY

*FIG. 9*

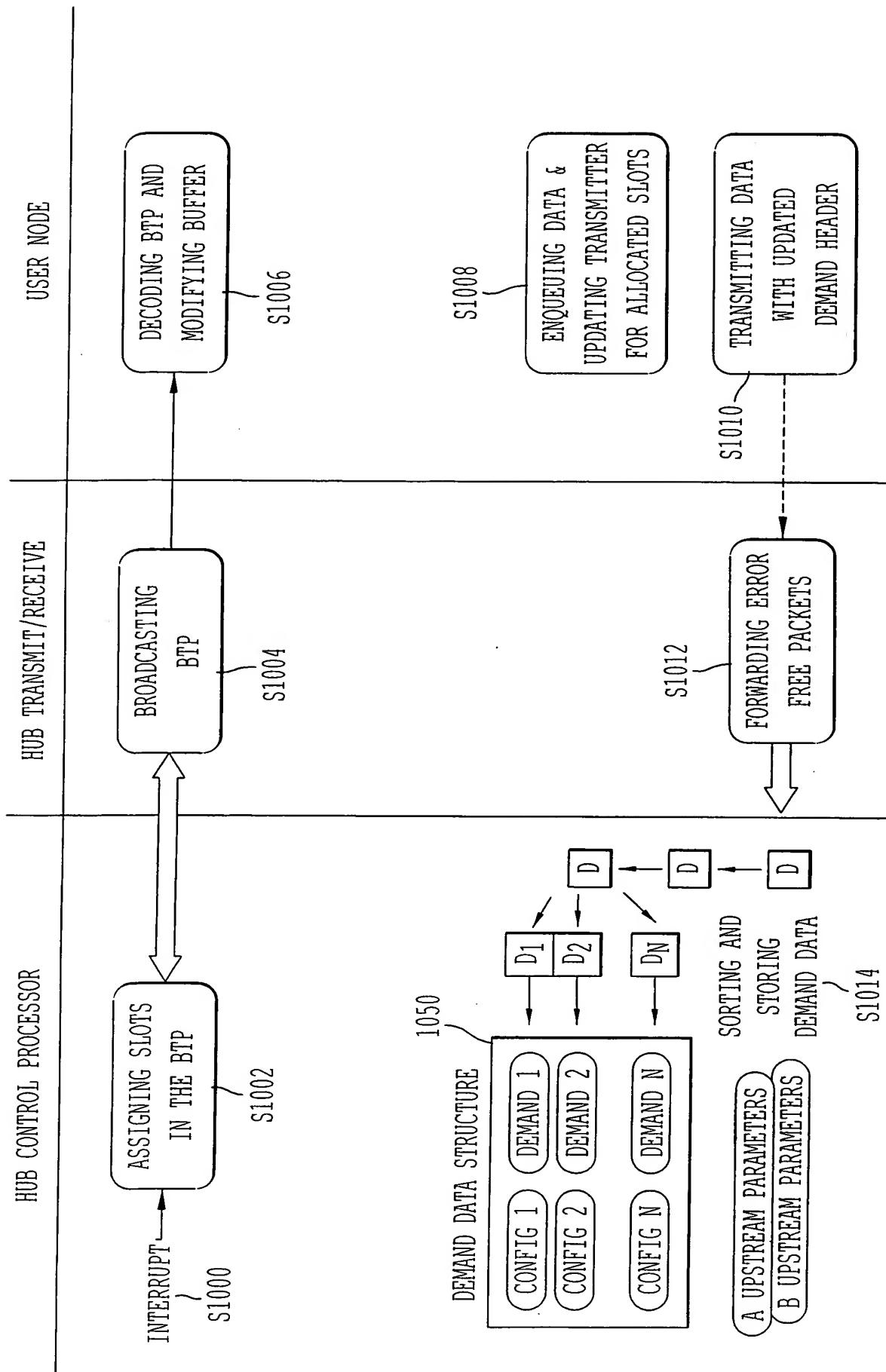


FIG. 10

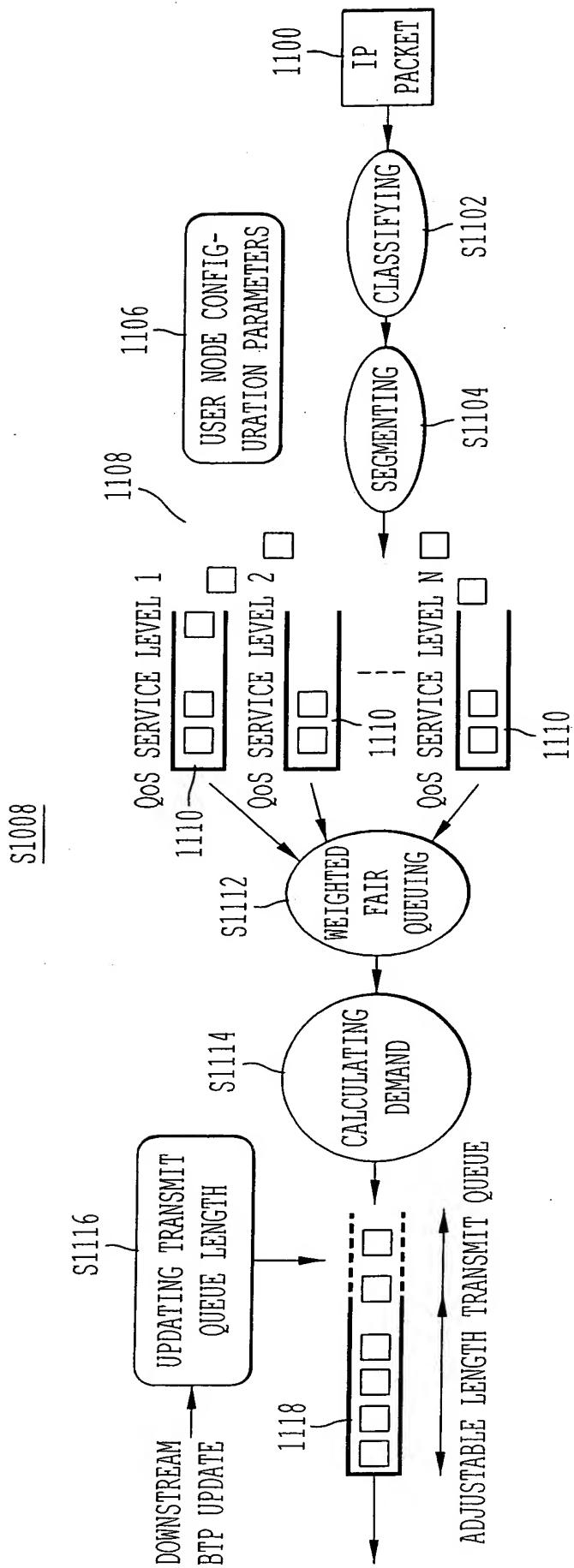


FIG. 11A

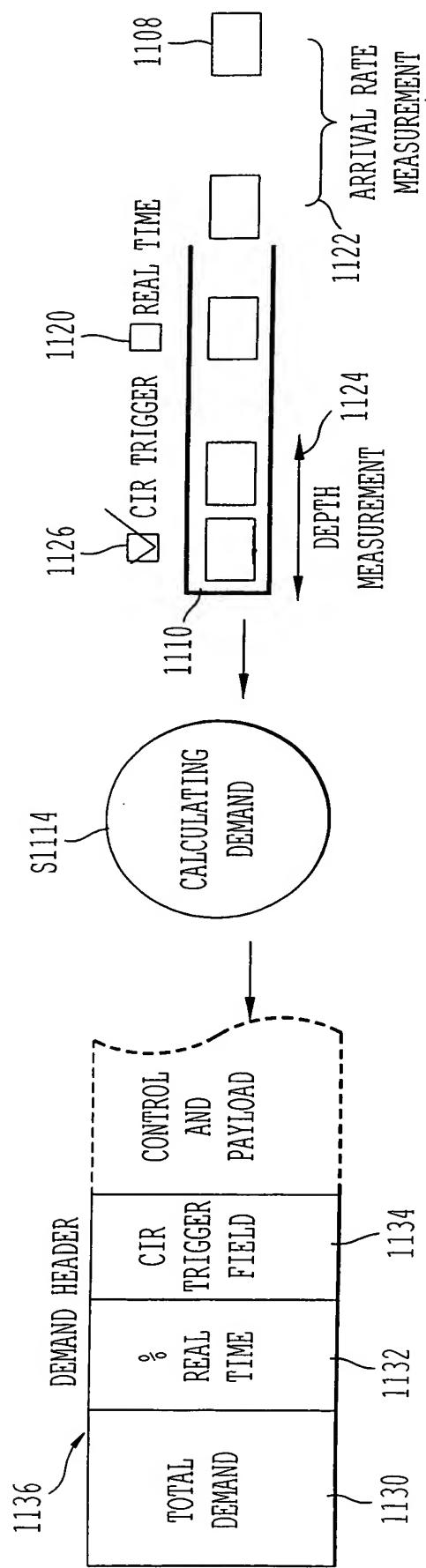


FIG. 11B

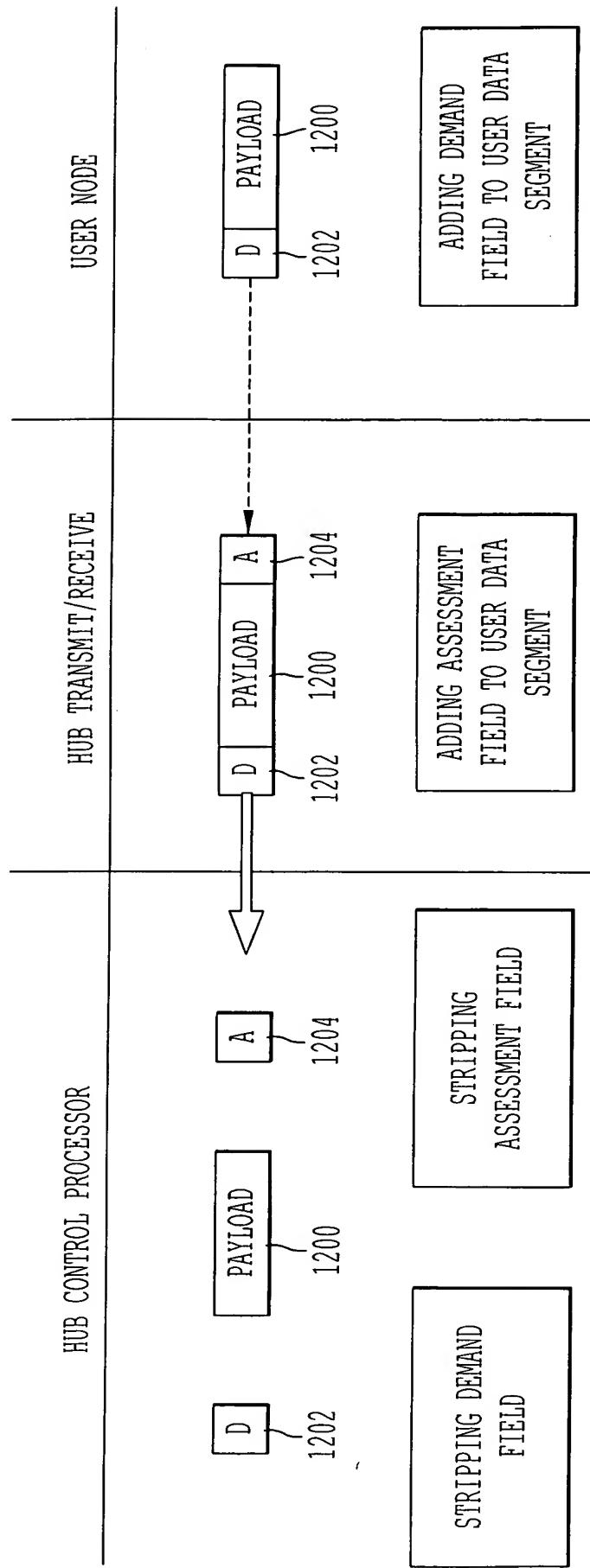


FIG. 12

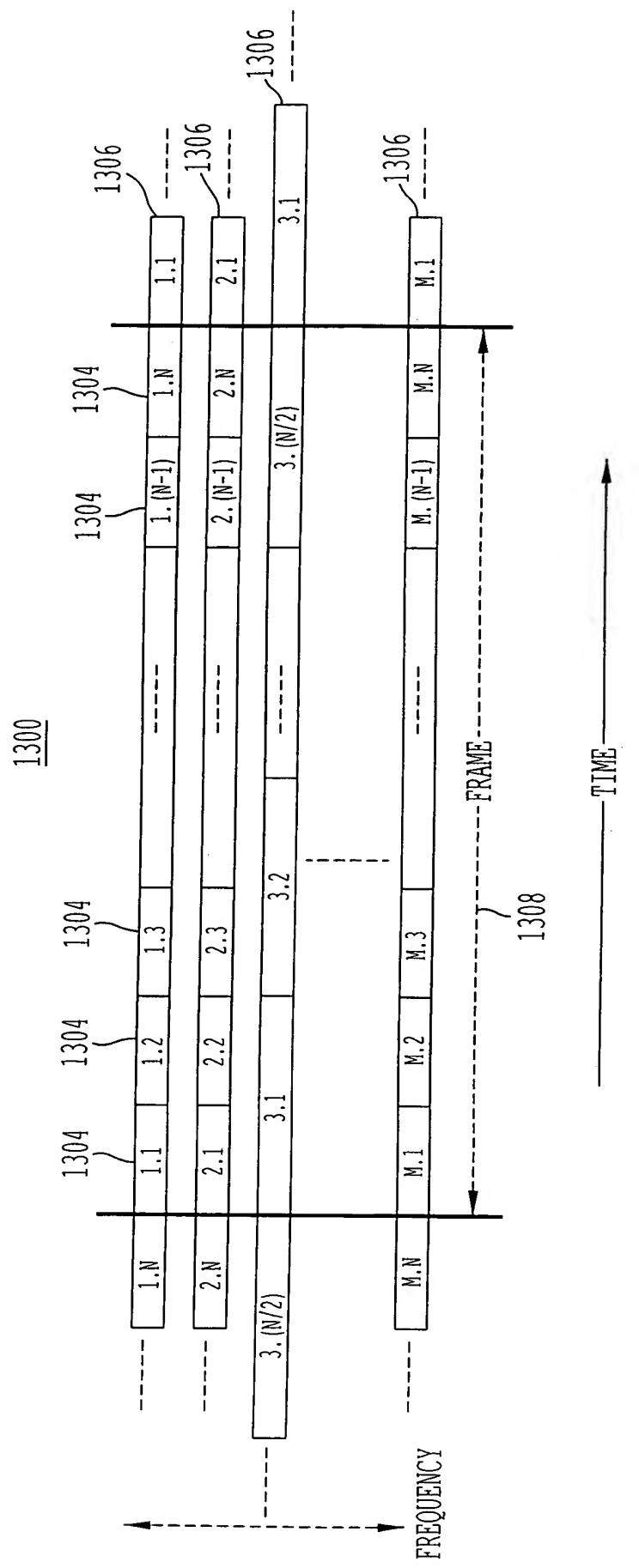
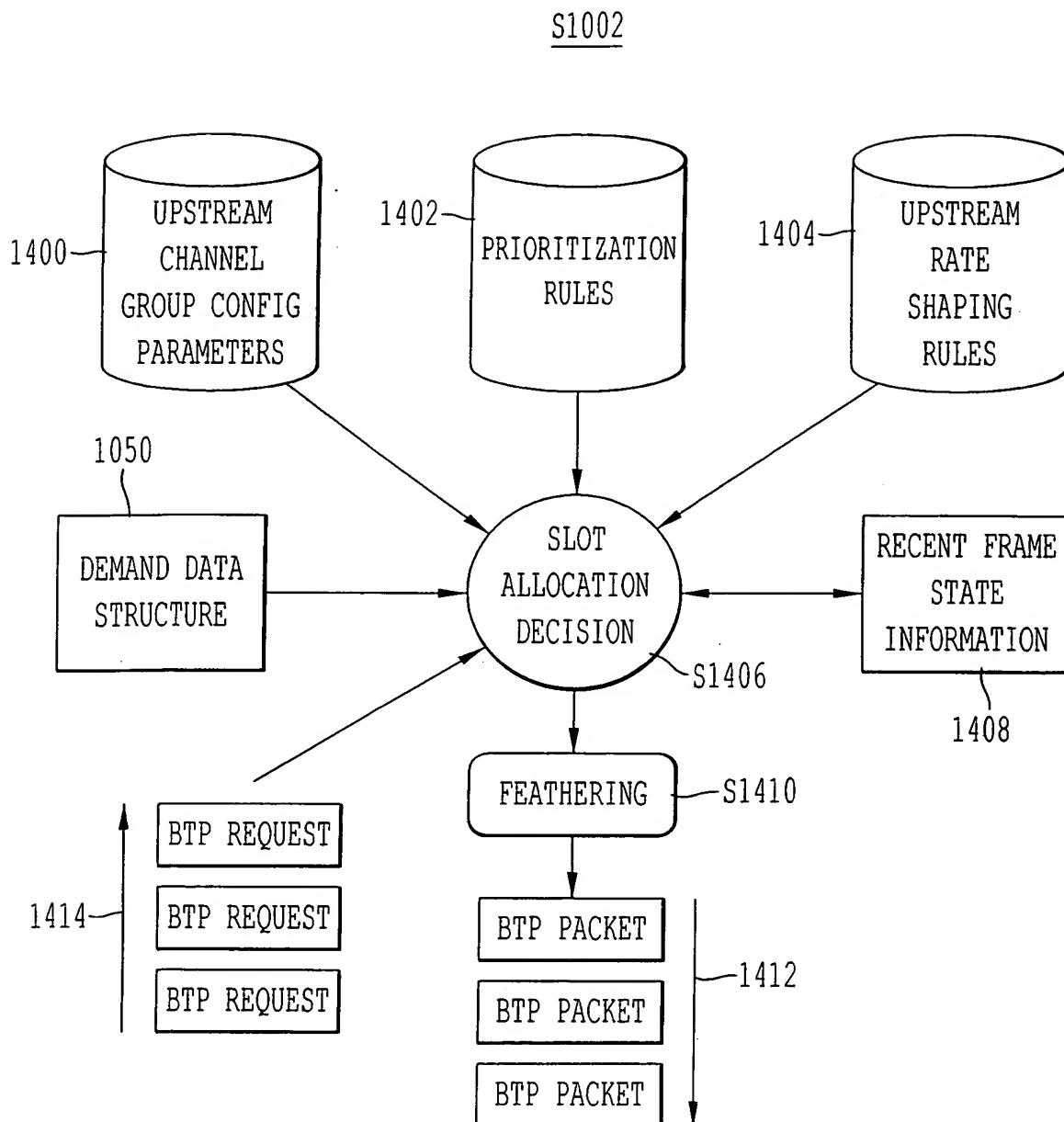
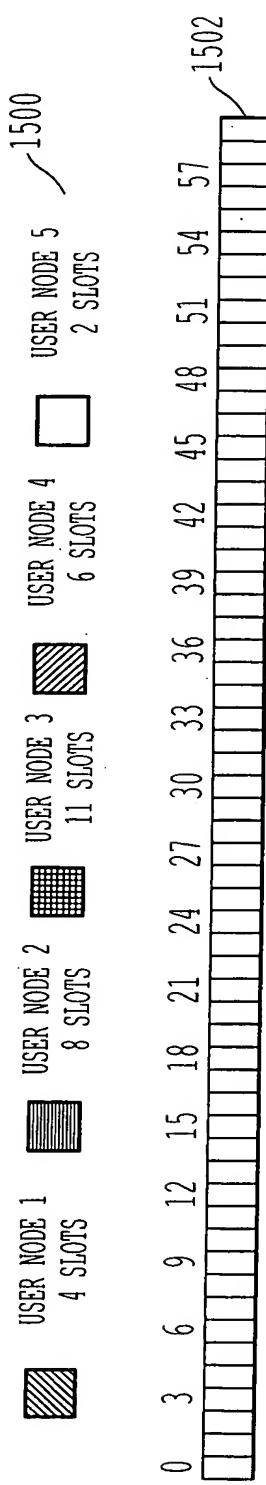


FIG. 13



*FIG. 14*



NODE	SLOTS_ALLOCATED	TOTAL_SLOTS_SLOTS_ALLOCATED	TARGET SLOT ASSIGNMENTS	ACTUAL SLOT ASSIGNMENTS
3	11	5.45	0 6 11 17 22 28 33 39 44 50 55	0 6 11 17 22 28 33 39 44 50 55
2	8	7.5	0 8 15 23 30 38 45 53	1 9 16 24 31 38 46 54
4	6	10	0 10 20 30 40 50	2 12 21 32 42 52
1	4	15	0 15 30 45	3 18 34 48
5	2	30	0 30	4 35

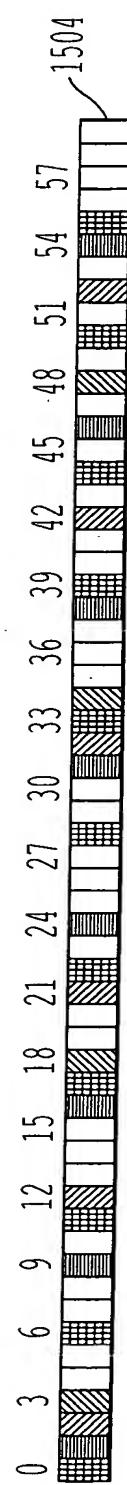
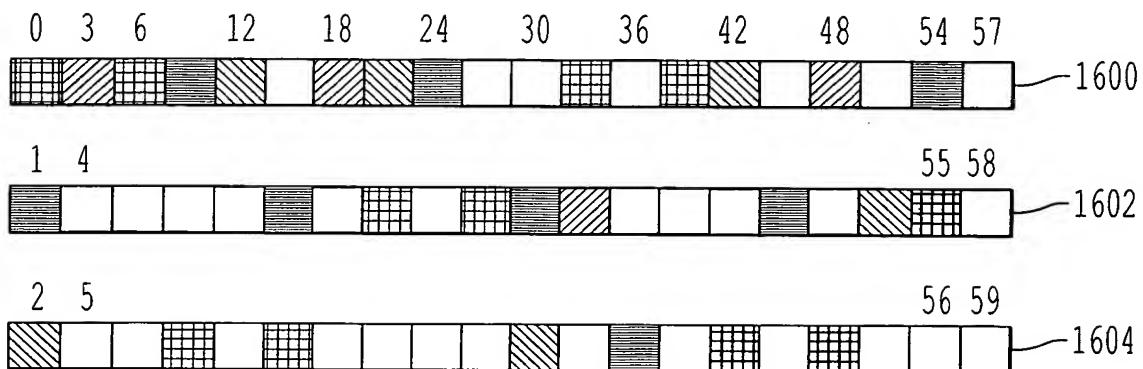
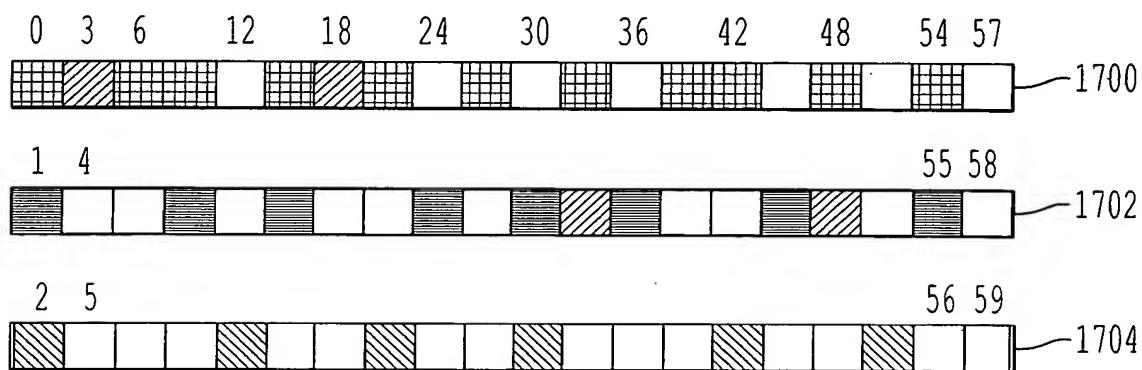


FIG. 15



***FIG. 16***



***FIG. 17***

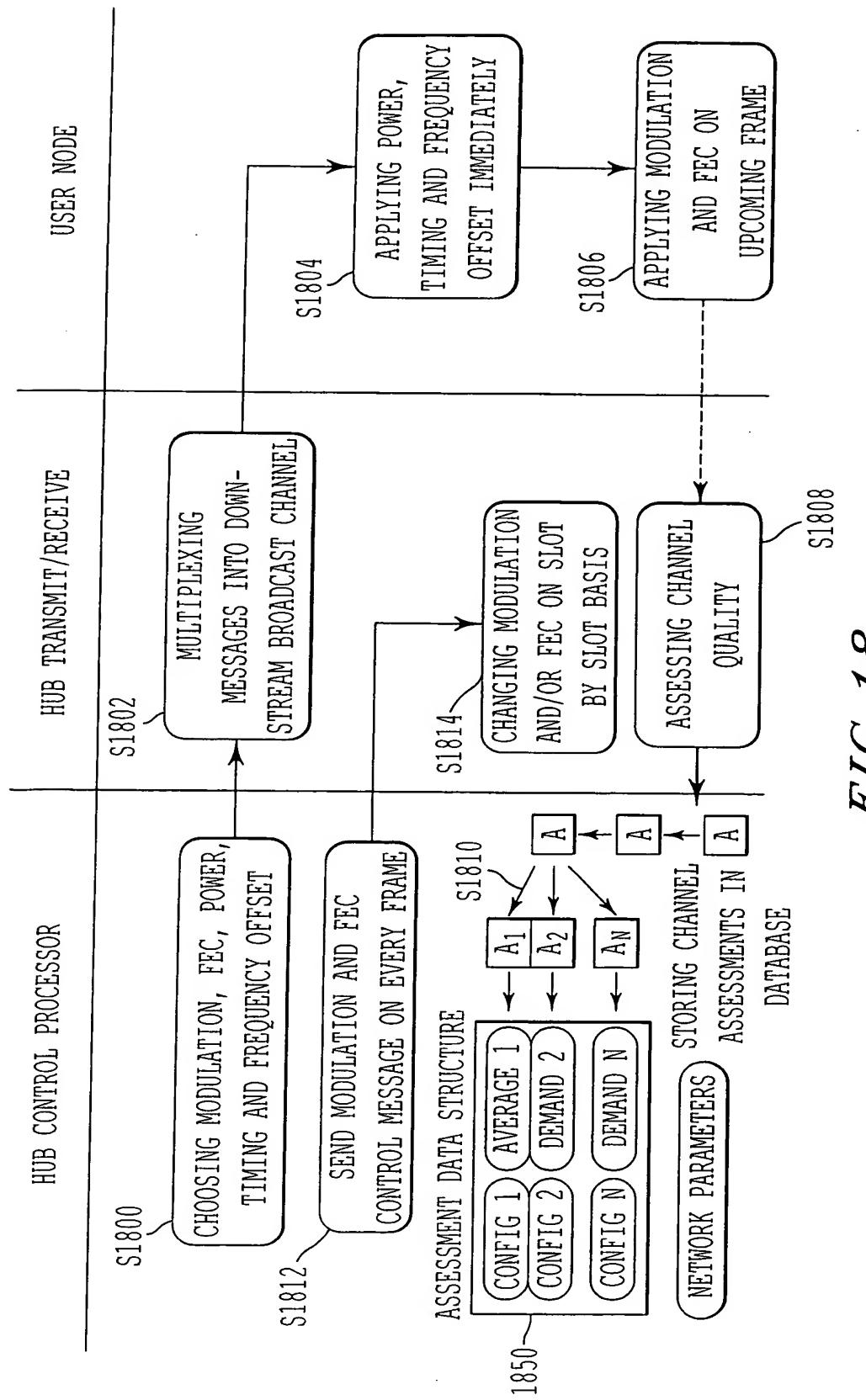
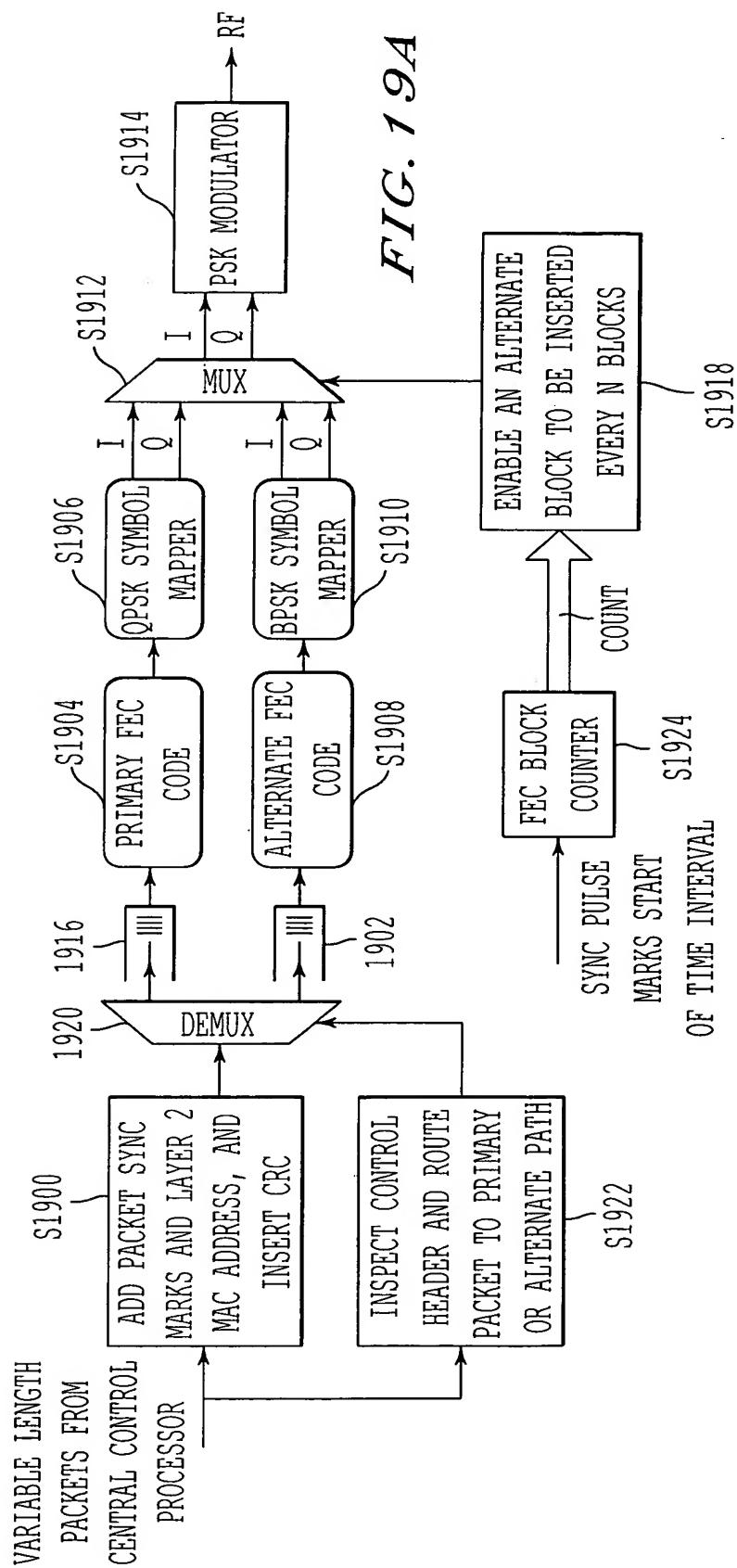
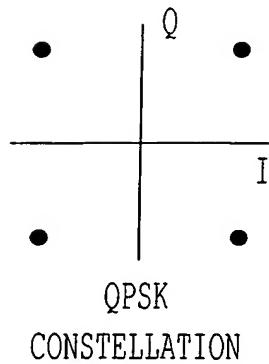
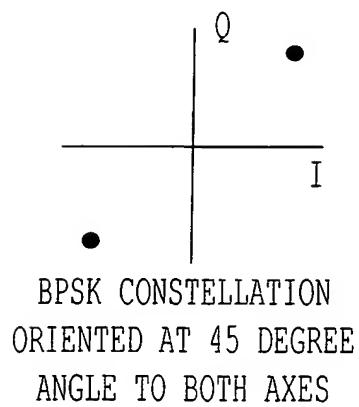


FIG. 18





*FIG. 19B*



BPSK CONSTELLATION  
ORIENTED AT 45 DEGREE  
ANGLE TO BOTH AXES

*FIG. 19C*

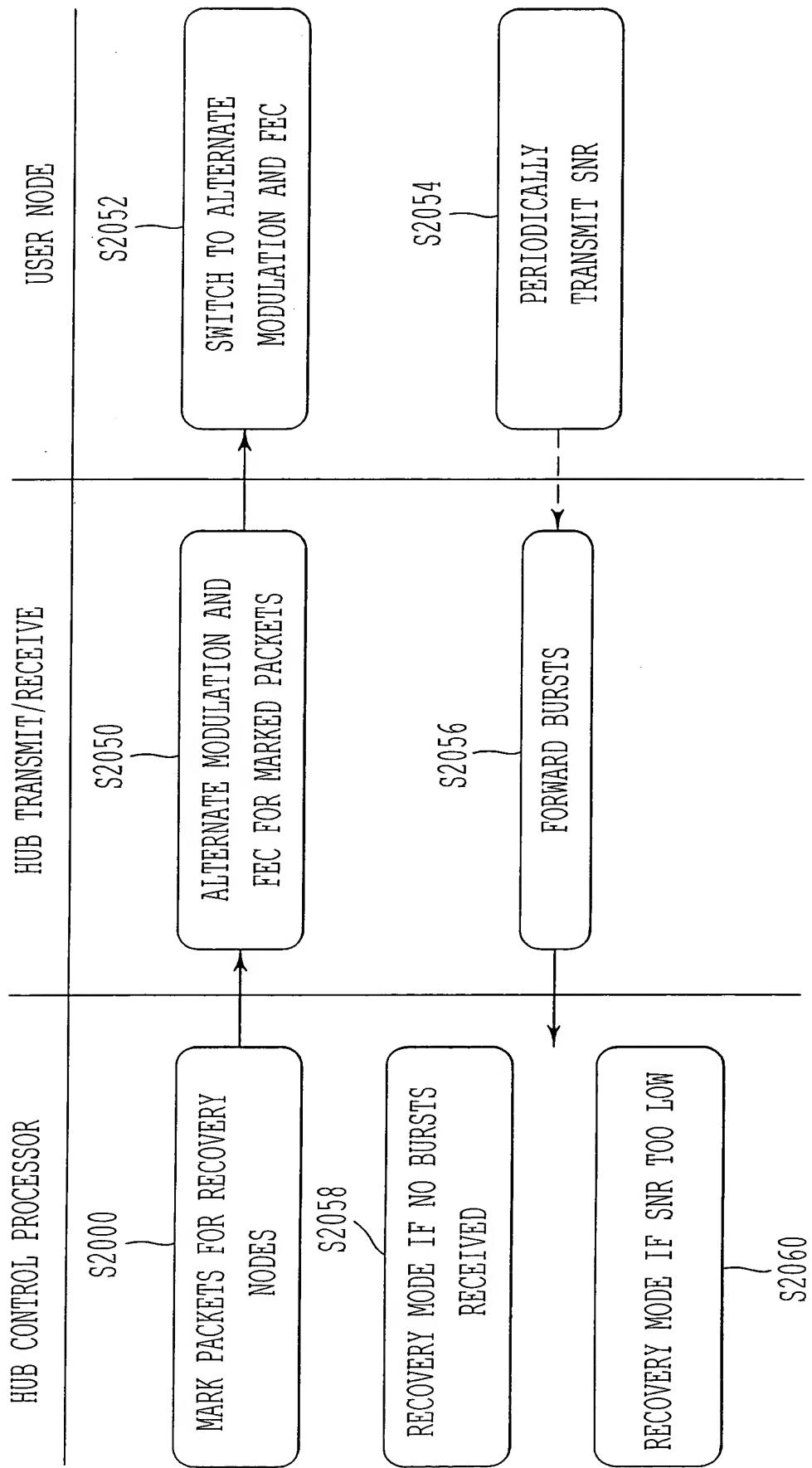


FIG. 20

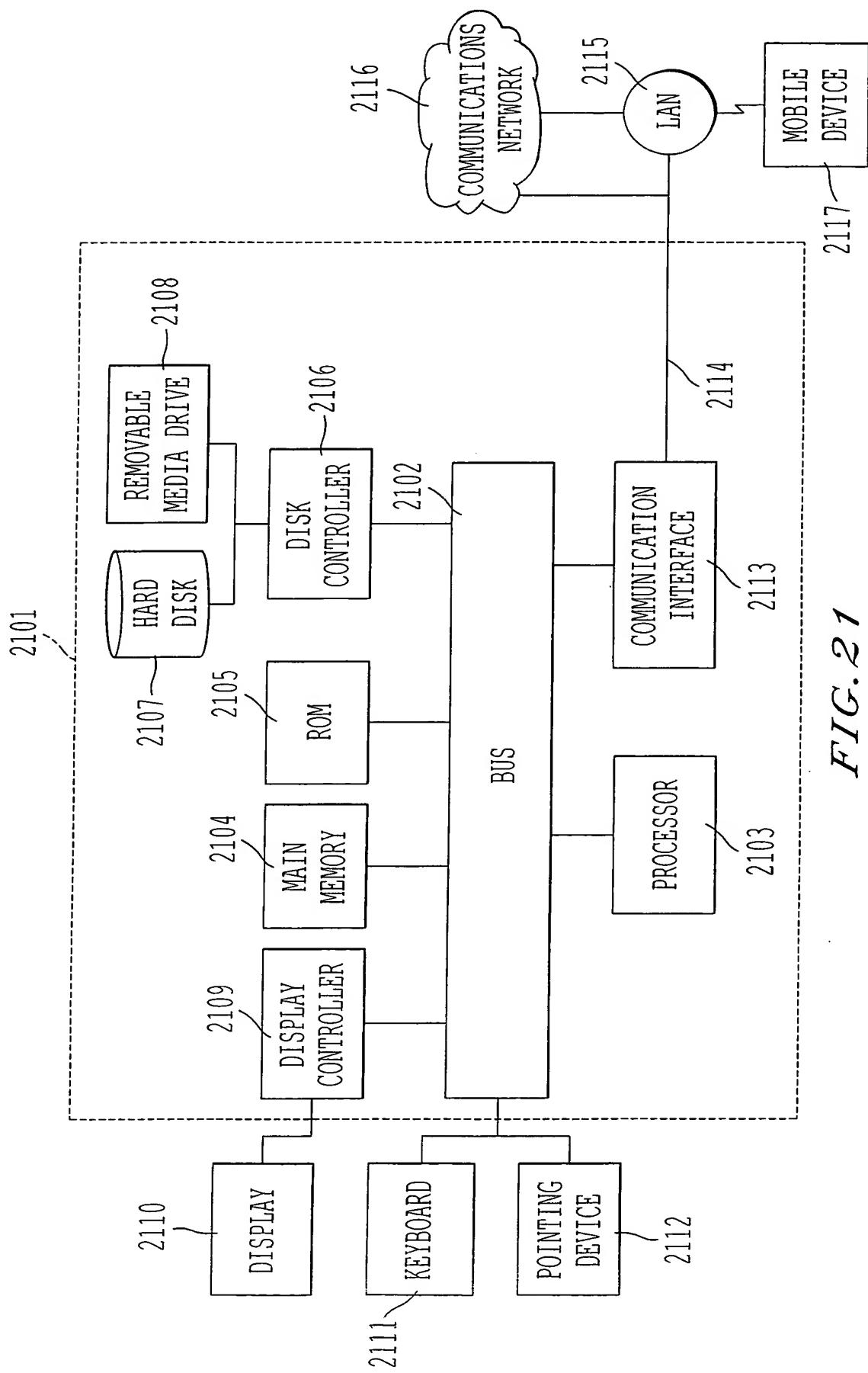


FIG. 21

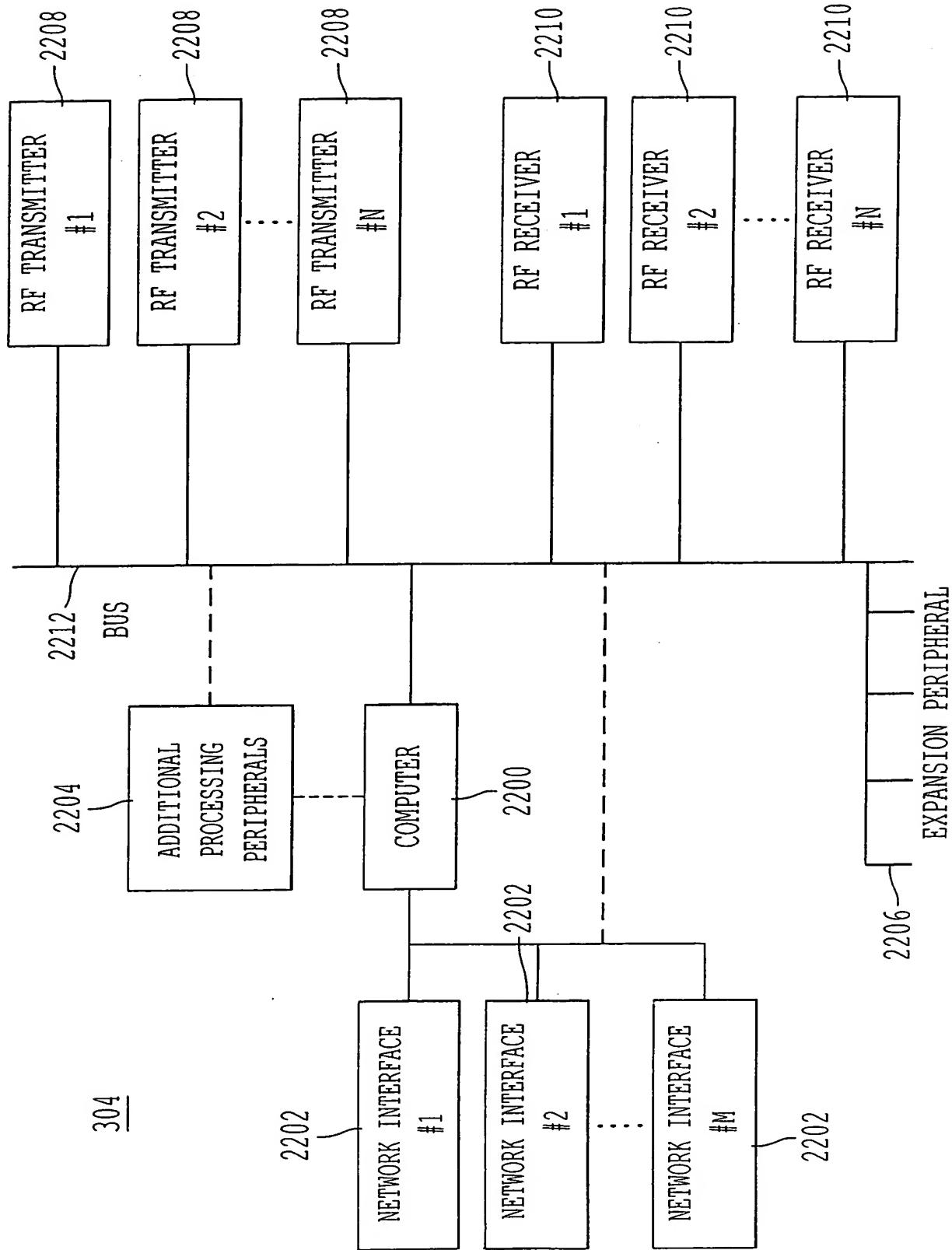


FIG. 22  
CONNECTIONS